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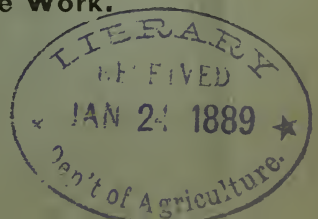
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God works in silence, and his vast designs  
Are brought to pass in quietness and peace :  
Unheralded, the sun comes forth at morn,  
And without tumult on the nation shines ;  
Unwept his ministrations cease,  
And twilight worlds are born.

The years sweep onward, but the chariot  
wheels

Vonchsafe no echo to our yearning call ;  
The swift attendant seasons, as they pass,  
Are shod with silence ; and no sound reveals  
The rapid hours, whose footsteps are as the  
fall

Of snowflakes on the grass.

In quietness, through dreary, wintry days,  
The buds of next year's summer take their  
rest,

Assured of happy waking by and by :  
Though long the sweetness of the spring  
delays,

Though tempest move in wrath from east to  
west,

They neither strive nor cry.

Patient in long reserve of hidden power,  
God's judgments tarry their appointed time ;  
But from his love, wherein all fullness dwells  
Mute tokens come about us hour by hour,  
In silence sweeter than the voiceless chime  
Of fragrant lily bells.

The perfect bliss for which his people crave—  
The final victory—he sees across  
The cloud and sunshine of a thousand years ;  
While the frail garland on a baby's grave  
May circumscribe life's utmost gain or loss  
To eyes grown dim with tears.

O troubled heart, no storms of adverse fate,  
No wave of circumstance, may overleap  
The jasper borders of eternity.  
Acquaint thyself with him ; and, soon or late,  
He shall appoint a resting-place for sleep  
Wherein no dreams shall be.

He giveth quietness and peace serene,  
Here and hereafter, unto those who rest,  
Soul-centred, on his own eternal calm ;  
While sweet assurance, entering realms un-  
seen,

Leads onward to the triumph of the blest,—  
The white robe and the palm !

—*Leisure Hours.*

## PLEASANTRIES.

WHY should not ducks be allowed on  
doctors' premises ? Because they make  
such personal remarks.

LAUNDRY-WOMEN are forgiving beings.  
The more cuffs you give them, the more  
they will do for you.

SUMMER BOARDER : "I have heard that  
silk tassels grow on your corn ?" Farmer :  
"Yes, miss : regular grosgrain silk it is,  
too."

"MISS ALLIBONE," said Mr. Bean,  
"your voice is a constant reminder to me  
of a beautiful song." "Ah ! Mr. Bean,  
how sweet of you to say that ! Is it any  
particular song ?" "Yes : the 'Star-  
Spangled Banner,' because you always be-  
gin with 'Oh, say !'"

A SENTENCE in an American novel,  
"He alighted, and tied his horse to a large  
locust in front of the house," was rendered  
in a French translation so that it read that  
he fastened his horse to a huge grasshop-  
per.

A NEWSPAPER funny man wrote, "Not-  
withstanding a lady should always be quiet  
and self-contained, she cannot even enter a  
place of worship without a tremendous  
bustle." A French writer reproduces it in  
this form : "According to an American  
author, the ladies of that country are so  
greedy of notoriety that they cannot enter  
the holy sanctuary without disturbing the  
kneeling worshippers with their vulgar un-  
seemly ado."

"And that is silver ore, is it ?" said Mrs.  
Snaggs, as she examined a piece of curious  
looking mineral. "Yes, my dear," replied  
her husband. "And how do they get the  
silver out ?" "They smelt it." "Well that's  
queer," she added, after applying her nose  
to the ore. "I smelt it too, but didn't get  
any silver."



The four letters below represent a sentence of nine words. Can you tell what it is?

**B E D**

No, we thought not.—Look again. Can you not see?

"A little darky (dark e) in bed with nothing over it."

"Yes, father," he said to old Mr. Hayseed, "I've graduated, and my education is complete. I s'pose I know about everything. Now I must choose a field where my abilities can be used to the best advantage. I want a large field where I will have plenty of room."

"Son," replied the old man, "there is the ten acre corn field, and you kin have it all to yourself."—Harper's Bazaar.

"YOU GIRLS want the earth," said a State Street father, when one of his daughters asked him for \$6 for a new jacket "No, papa," said the girl,— "not the earth. Only a new jersey."




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Skin & Scalp  
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**CUTICURA**  
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Respectfully, T. A. SLOCUM, M. C.  
181 Pearl Street, New York.

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We will give these 13 books as a premium for one subscriber. Or, will send any of them free by mail for 3c each.

Maryland Farmer, Baltimore, Md.

Premium No. 14.

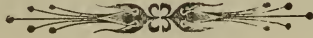


Just what every Farmer needs—a great deal in a small compass. Handy for consultation.

Send 40 cts. in stamps to Maryland Farmer, and get one of them; or will be given as a Premium for one Subscriber.

# THE MARYLAND FARMER

## POULTRY EXTRA.



Last March we issued a Poultry Extra from this office, and although we found March somewhat late in the spring, it proved to be a good success for our many patrons.

We propose to issue our Poultry Extra this year the 10th of February next, and to make it of more value, by a much larger edition than ever before. It will reach every subscriber to the Maryland Farmer, and many thousand additional readers.

Terms:—Front page of Cover, \$2.00 an inch.

Back page of “ 1.50 “ “

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Especial Reading Notices will be 25 cents a line. No advertisement taken for less than 50 cents. We will give space ordered on cover as long as it lasts, then notify the applicants by letter.

We ask your advertisement, sure that it will pay you manyfold.

Soon after our issue of last year the Hollis Dressed Meat & Wool Co., of Boston, who had a \$35. ad. wrote us: “The ad. has paid.”

F. C. Gleason, Warren, N. H., had a small ad. last year. He writes us now before our circular is printed: “On first page of Poultry Extra (cover) I want an ad. 1½ inches deep, two columns wide, copy enclosed.”

The Poultry Extra will be at least 16 pages and cover—size and form of the Maryland Farmer.

If you did not get a copy last year, or would wish to see one now, a postal will bring one promptly for examination.

Baltimore, Md., January 1889.

WALWORTH & Co.

J. CAREY KING & CO.

**L·U·M·B·E·R**

Sash, Doors, Blinds, Etc.

CATHEDRAL & RIDDLE STREETS.

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NO HUMBUG!

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| and Children's |

AT PRICES THAT MUST MAKE SALES.

We never were undersold. All classes suited. All tastes gratified. Prices adapted to all pockets. All should call before parting with their money elsewhere.

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119 AND 121 EAT BALTIMORE TREET.

**RIDDLE & WILLIAMS,**

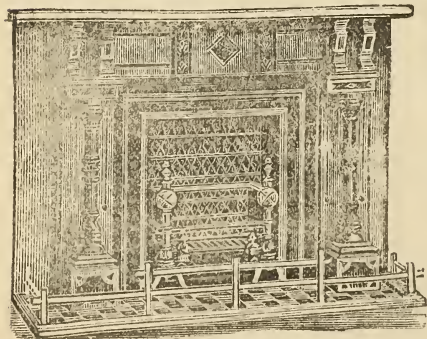
—DEALERS IN—

**Hard Wood & Slate Mantels,**

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Catalogues furnished on application.

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124 HOWARD ST., Baltimore, Md.





Agriculture, Horticulture, Live Stock and Rural Economy,

THE OLDEST AGRICULTURAL JOURNAL IN MARYLAND, AND FOR TEN YEARS THE ONLY ONE.

AND NEW FARM.

Vol. XXVI. BALTIMORE, January 1889.

No. I.

### THE TWO WORKERS.

Two workers in one field  
Toiled on from day to day,  
Both had the same hard labor,  
Both had the same small pay ;  
With the same blue sky above,  
The same green grass below,  
One soul was full of love,  
The other full of woe.

One leaped up with the light,  
With the soaring of the lark,  
One felt it ever night,  
For his soul was ever dark ;  
One heart was hard as stone,  
One heart was ever gay ;  
One worked, with many a groan,  
One whistled all the day.

One had a flower-clad cot  
Beside a merry mill,  
Wife and children near the spot  
Made it sweeter, fairer still ;  
One a wretched hovel had,  
Full of discord, dirt, and din,  
No wonder he seemed mad,  
Wife and children starved within.

Still they worked in the same field,  
Toiled on from day to day,  
Both had the same hard labor,  
Both had the same small pay ;  
But they worked not with one will,  
The reason let me tell—  
Lo! the one drank at the still,  
And the other at the well.

### VOLUME 26.

We promise nothing wonderful at this opening of the New Year and the New Volume of the Maryland Farmer.

We expect in the reality to make this twenty sixth year in many respects superior to any which has preceded.

First of all, we shall be wide awake to everything which we believe will benefit the farmer.

We shall speak plainly against all things which tend to injure the prosperity of agriculture: but not as a critic. We shall

speak with a view to bring about good results by practical actions.

We shall advocate the abolition of all unjust taxation, by which farmers and farm property are oppressed.

We shall oppose all trusts, by means of which farmers' produce is depreciated in money value, while all things purchased are increased in cost to the farmer.

We shall advocate laws which will favor the interests of agriculture and which will equalize in some degree the action of our government towards all classes of its citizens.

Thus much we propose of a general character, relating to the outside world: and whenever any topic affecting agriculture is up for consideration, we shall endeavor to point out the best action possible for farmers in the premises.

Belonging to God's great family of humanity, the farmer should take a lively interest in everything which can bring good or ill to any class or any section of our beloved Country.

It is unnecessary to say that we shall give prominence to purely agricultural subjects, and herald every improvement which will add to the lessening of labor on the farm, and the greater certainty of producing crops under the ordinary conditions of the weather, and the cheapening of the expenses in time, in money and in toil.

We shall, also, strive to lighten the burdens of the farmers' families, and shall give attention in particular to the labors of the wives and daughters in the farmers' homes.

The educational needs of farmers shall not escape our attention and while we do not give especial promise of immediate improvement in our agricultural institutions, we shall always be glad to announce the dawning of better prospects.

We shall endeavor, by the aid of our contributors, and our many and various selections of very brief items to make the

MARYLAND FARMER an interesting and useful magazine, for all.

We ask you, therefore, to speak a good word in its behalf and to give it a good speed on its second quarter of a century.

#### ARSENIC.

In the November number of *Insect Life*, issued by the U. S. Department of Agriculture, the experiments and conclusions of C. P. Gillette, entomologist of the Iowa station, are presented and commended. The conclusions are substantially, that 1 pound to 1200 gallons of water is all that should be used, that even this dilution injures the leaves of the trees which absorb it, and that these leaves can be fed to larvae without affecting them.

We believe that when used as generally commended in doses to preserve the fruit, it is at the expense of destroying the tree in a few seasons; besides the great danger to man and beast and to useful insects.

#### APPLICABLE AT HOME.

We find the following among our clippings, and cannot give credit to the author. It belongs to every other state, as well as to New York, and we advise our readers, wherever they are located, to change the name to their own particular state as they read:

Without doubt there are many hundred farmers within fifty miles of the New York Agricultural Experiment Station who have not in the six years and more since its establishment made personal inspection of the work. Many of them, judging without knowledge are objectors—not openly hostile, but opposed on the score of cost, an item in each case so utterly insignificant that its measure would appear so even to the very small economists who cite cost as an objection. They do not know

that ten cents from each farmer in the state annually would be far beyond the sum appropriated for maintenance of the Station which has as its sole purpose gains for all Farmers in the state and elsewhere under similar conditions. Farmers owe it to themselves to obtain knowledge of an institution established and maintained in their interest. It is not extravagant to say

that they have already had returns beyond cost, but the usefulness if the Station will be greatly increased when they seek acquaintance with its work, and as a consequence give cordial support to the earnest labors of the capable investigators in charge. Let them visit the Station—if for no other reason, that they may see what is wrong, or what is good.

## ABOUT THE ROADS.

### OUR ROADS.

The Editor of the Maryland Farmer, thinking that the winter would be an excellent time to consider the subject of Roads, has addressed a number of letters to prominent farmers in different parts of this state, and gives in the following some of the answers he has received. It is a subject which should have the attention of all those who wish to improve the condition of the land and the people where they dwell.

For the Maryland Farmer.

#### Country Roads.

Much trouble in the way of talk has been made by visitors to the country while the roads are breaking up in the spring. I think those who live in the country do not suffer as much from bad roads, as do those who only come among us once or twice in a season on business. At the times mentioned the roads are certainly uncomfortable, but farmers are generally prepared for them, and if they are forced to go abroad have team enough and suitable carriages to meet the condition of affairs. It is not always just as one would like to have it; but the evils are much exaggerated.

Then, too, it is generally for only a week

or so that the very bad roads remain as a trouble. The frost comes out and a good soaking rain is at hand to settle the ground rapidly.

I am one of those who think in this matter of roads there is altogether more talk than the inconvenience justifies. In short spots and in some out of the way lanes which have never really been brought into passable condition, the evil may be great; but as a general thing the roads are not to be considered more than half as bad as they are represented to be.

Of course they can be made better, and if an intelligent road master could be employed and the whole matter be placed into his hands much of the trouble would be avoided. But every one in each district seems to think he knows best what should be done, and so nothing is done as it should be.

It is no use of saying that the road commissioner should be man enough to do according to his own judgment; for the influences around him are such that he cannot do so. If he does, he will certainly cause much offence, and none wishes to offend his neighbors, among whom he expects to pass his life.

I know these things from my own personal experience, and am not writing an imaginary letter to be printed by you. In



the smallest affairs a great variety of opinion exists and ugly remarks are made which cause an unnecessary amount of bad blood.

It is desirable to have smooth roads for the convenience and pleasure of those who drive light carriages, before which are brisk travellers. This all allow. To have such roads during the greater part of the year is all that can be expected as things are at present. On this account, if the mending and making of roads are done as early in the spring as possible, and care taken to roll and pack them, the summer sees them in proper shape and they will remain so until freezing comes.

We do not have enough to expend on roads to bring them up to the best condition; but they are in most places and for much of the time pretty good roads.

T. R.

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For the Maryland Farmer.

#### About Our Roads.

You ask me to give you some items in reference to improving our roads. The subject is so very large that I am at a loss where to begin.

Every spring our roads are in such a miserable condition that I feel that I would like to live anywhere rather than in this country. While in every other respect I can readily get along in comparative comfort—these abominable roads fill the cup of misery.

The only improvement to my mind that can be effected here, is to appoint a competent man to superintend the work on the roads and hold him to strict responsibility for keeping them in a passable state. If on any account they become so like a bottomless pit of mud that they cannot be used with safety, lay the trouble at his door and appoint some one else in his place. But I believe that whoever is appointed should be supplied with the very

best road machines, that no excuse may be made on that account.

It is niggardly economy in a district to do without the necessary implements for road making, and no community of farmers have a right to expect good roads if they are too mean to supply the tools to work with. I am not interested in any particular machine, and do not know which is the best; but I am sure the poorest one is better than the old way of plowing and shoveling soft earth into the middle of the road to be gradually tramped down by the passing teams.

If we had a plenty of money we might carry out some of the beautiful theories which we read about, and which promise the most elegant highways to every man's farm. But in our present need of cash we must do the best we can and plod along a little while longer in the same old way, only making use of modern inventions to help us.

How soon we will get things in shape so that we can manage to reach town safely during the breaking up weeks, is a problem I can not now unravel. H. W.

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For the Maryland Farmer.

#### ROADS ABOUT MY FARM.

I build all the roads about my own farm. I am so situated that I can get plenty of oyster shells and I use them liberally.

I first lay out my road so that I am sure no water will stand on the roadbed.

I next plough the sides with a heavy team and use a scraper in the old time way—I would use a road machine were I able to own one.

I then use my heaviest roller, loaded till it weighs between a thousand and twelve hundred pounds. I cannot always ride on it myself in comfort but I keep it as heavy possible.

After this, it is ready for my shells and



I spread them on the roadbed about six inches deep to commence with. I go over these three or four times with my heavy roller pressing them together very closely.

The road is now ready for use, and I use it in this condition until the next spring. Then I go over it with another covering of three inches of shells—thicken where I see it is needed—and put on the roller again. I have roads made in this way which are in good condition now after ten years heavy use by the public. Weak places develop occasionally, but a few shells rammed down with care remedy them effectually.

I suppose broken rock might take the place of shells, where the latter cannot be had; but that would be more expensive. Perhaps coarse gravel might answer. But I know the shells are almost the perfection of road material when properly used, and I get them for the hauling. J. S.

For the Maryland Farmer.

#### Better Roads.

I do not suppose you desire me to give a history of road making, or to go into the detail of hauling material, and spreading it, scraping and rolling, breaking stone or laying cobble.

You mean that I should write some general ideas on the subject of Roads and how the troubles which the frost occasions can be remedied.

In this country the very best roads only remedy these troubles in a very small degree. The turnpikes supported by tolls approach the nearest to a remedy; but even these are often in a condition which reflects upon the credit of the company.

In the old world the principal highways, built by government are of such a substantial nature that neither cold nor wet has any perceptible effect upon them.

I am creditably informed that the roadbeds are often several feet in depth of

ground rock so cemented together that freezing has no power to penetrate, more than if it was the original rock. Also that the drainage is in all cases provided for to the utmost perfection.

Upon these two particulars depend the perfection of all road building and repairing. If those who work our roads could remember this, it would be all that is needed to secure for us the very best of highways.

The experience of centuries in the old world should be a sufficient lesson for us; and we would learn the lesson, if we were not so self opinionated about little things.

Road building is founded on scientific principles which are very simple and easily understood. G. R.

#### HOW MANY MALES.

Recently, in conversation with an extensive breeder of Chickens for the Baltimore market, he had occasion to speak of the number of males in his flock.

He said for two years he kept one male for every twenty hens, and for the first year he noticed a very large number of his chicks were weak-legged and many died with the gapes.

The next year he kept an account of these losses and found that out of 2700 chicks hatched he lost 1600 on account of general weakness and gapes.

He then tried one male to every ten hens and the result was remarkable. Out of 2200 chicks he did not have half a dozen afflicted with leg weakness, and scarcely any fatally afflicted with the gapes.

These facts are certainly worth placing on record. His chicks were all hatched under hens.

LEVEL cultivation is no doubt best for corn; the old plan of furrowing up against the hills of all hoed field crops has gone out with the best farmers.

### LARGE CORPORATIONS.

The individuals employed by large corporations, if imposed upon, are generally without remedy. They can of course refuse to have anything to do with the corporations which have so imposed upon them; but at the risk of loss and trouble to themselves and those dependent upon them. We often are reminded of the old saying, "corporations have no souls." It may be added they can only be reached through the depletion of their money bags. Anything which threatens their income, reaches their sensibilities. This should be stored in the memory of the people.

### Coal Ashes as Absorbents.

The manurial value of coal ashes by themselves is very little, but by using them in privies, stables and henhouses they become valuable absorbing fertilizing material that otherwise would be wasted. They are next in value to dry earth for this purpose, and where coal is burned are always easy to obtain. In the henhouse they serve another good purpose as a dust bath for fowls, which they will use freely if given plenty of food and drink. A small quantity of coal ashes covered over offensive manure will prevent bad smells, and enable those removing them to do so without more difficulty than they would have with any manure.

### A GOOD MACHINE.

A machine has been invented by our friend and correspondent, Mr. T. R. Crane, which in one operation with an ordinary team, harrows and pulverizes the ground, sows the seed of whatever description needed, sows the fertilizers, and then rolls the surface, leaving all in a perfect condition for growth. It is one of the simplest machines, for the amount of work perform-

ed we have ever examined, and it promises to revolutionize farm work.

We understand a company, composed of some of our wealthy citizens, has been formed with a capital of \$500,000 to manufacture this desirable machine.

### GOOSEBERRY TREES.

Should any peddler propose to sell you gooseberry trees, don't buy. If there be such trees, let your nurseryman purchase them and then see them in bearing before you buy them. This is our advice. These kind of things are often swindles.

For the Maryland Farmer.

### CITY OR COUNTRY.

BY MRS. JOHN GREEN.

Winter is upon us with its snows and blows, and it makes one feel like asking that one great question which always comes up every fall to the amateur farmers, reared as they have been in the towns and cities, whether they shall remain in the country or go back to town?

Now this is a question that John and I have been discussing every evening for at least six weeks.

I tell John we are about as near to a settlement of the question as we were when we started to discuss it.

John says, "If we go back to town, we shall have to dispose of everything we have gathered while we have been here and then what will you do with those beautiful leaves you got the other day? You will have to go back to gaudy chromos."

And I said, "Now John, how can you torment me so?"

I tell him, "Oh no! we can get a man to stay on the place and take care of it for us."

Then John says, "There is the farmers' club, what shall we do about that?"

You see John is to give them a good send off in the way of a speech to start the meetings and people into good working order. We have talked this over and over, and turned it over, and back again, and upside down, and inside out, until we ourselves hardly know how it was when we started.

I told John this morning just as he was starting to go to town, to think it all over and if he should see any real nice house that he thought would suit us, why, I guessed we'd go.

He was putting on his overcoat at the time; he looked at me for a moment and then burst out laughing and says, "Why Sallie! what are you thinking of? Do you think I could get a house that would suit you? No! No!! Sallie, that is work for you to do."

So I said, "Well, John, when shall I go and look for our house?"

You see I thought as everything was in a loveable state, now was my time to push the matter a little.

John said, "Oh well, Sallie, I guess some time next week. Will that be soon enough?"

I said, "I suppose so." But away down in my heart I wanted to go then. So it was arranged that we should go on the next Tuesday.

John has given me one of his good old-fashioned kisses and has gone. I wonder what he thinks of our going back to town! As for me, I can hardly wait for the time to come when I shall go and get our house.

What shall I do while he is gone? Cannot I begin to pack up some of our things? Yes—let me see, where shall I begin? with the trunks? Yes, I will pack them all while John is gone, but I won't say anything about it to him until after we have got the house.

How happy I shall be this winter! Only just think, John can come home to dinner every day. Won't that be just grand!

Just here a thought creeps in and says, "What if John should sell this place and we should have to live in town all the time, would you like that?" But I crowd the thoughts back into my heart out of sight and keep on with my packing.

It is getting dark and I hear John coming. I must not let him know how anxious I am to go to town for the winter; for he always laughs and says "Why Sallie." I give one more look behind me to see that all signs of my work are hidden, and then go down to meet him and another of those old-fashioned kisses. I am always glad to have John come home.

This evening we talked about what kind of a house we should rent. I wanted a small house and all conveniences. But John wanted a large house. He would rather rent a furnished house than have the trouble of moving our things.

He says, "What do you think of that Sallie?"

I tell him, "I think our own things are dear old friends and I would not like to go without them."

John says, "Well it will all depend upon what we do next Tuesday."

It is only Saturday night now; how long it does seem to next Tuesday! Tomorrow we shall go to church both morning and evening; that will make the day seem shorter. Then there are three nights to sleep; that will only leave Monday, and that is always a busy day at our house.

\* \* \* \* \*

Tuesday morning. I declare it has not been as long to wait as I thought. John says, "Well Sallie, are you ready to go?"

I hesitate for a moment and then say "Yes."

John looks at me as though he could wish I did not have my heart set upon moving back to town, and when I look at him I am almost ready to tell him, "Maybe



we had better let well enough alone." But we go.

We are in town looking at a great many houses. We go up one street and down another and find nothing to suit. Then we go to the real estate agents, and after telling them what we want, they take down a large book and open it with so much dignity and importance that I think they must have all the houses in the city and their owners to rent.

They finally give us several that they are sure will be just the thing for us as our family is small and the rent is only forty dollars a month.

John looks at me. I know what is passing in his mind: but I say nothing, and we go out.

Then John says, "Forty dollars! Why, Sallie."

He always says, "Why, Sallie." It seems to relieve his mind. I began to get heavy hearted; but I did not want John to see it, so I said, "We will go and look at them"—and we did.

They were not what we wanted; but just what we expected.

As we were coming out of one of the houses, we met a dear old friend of ours.

She says, "Why, Mrs. Green, and the Captain too! Well, I do declare, where have you come from? Why, I thought you had gone and buried yourselves long ago in that beautiful spot called Pleasantville."

I said, "No, not buried so deep but what we can come to town once in a while."

Then she says, "Well, do tell, what has brought you here this morning? and looking at houses too! You haven't got tired of the country life, have you? Oh, you will never go back to the country again."

She talked on in this rambling way, not even waiting for an answer. It did seem delightful to hear her, so full of life was she, as I had not heard much for a long time except about Pigs, Hens and Cows.

It put us both in good spirits and we thought we would look a little longer. I had made up my mind to be satisfied with almost anything, so I told John as there were only he and I, suppose we take rooms, and then we could live down town further and save heaps of car money. And as we were walking along I saw a card which read "Rooms for rent." We went in. They did not have a home-like invitation to us. They did not prove to be what we wanted.

The next place looked better—it was a flat of five rooms, with a good looking motherly woman on the first floor. I wanted to take the flat then, but John asked time until Friday.

I said, "Not Friday, but Thursday or Saturday."

I did not like to decide on Friday about our house, although I am not superstitious. But it is just as well some other day.

It was getting late and we were very tired. John said he had not had such a hard day's work for a long time. But it was great fun for me, whose life does not have much change in it.

We are at home once more and as John said, "Dear old home, there is no place like this," the tears came into his eyes, and he came and put his arms around me with another old-fashioned kiss, and said, "Well Sallie, which place do you like the best?"

And I broke down completely, and admitted that we did have a nice, cosy, little home; and I supposed I ought to be contented.

John says, "Well Sallie, I will tell you what I have been thinking of. That if you will try and be contented here, I will agree to take you to town to lectures and other places at least once a week. Now how is that, Sallie?"

I said, "I will make it twice a month, and no going back on it."

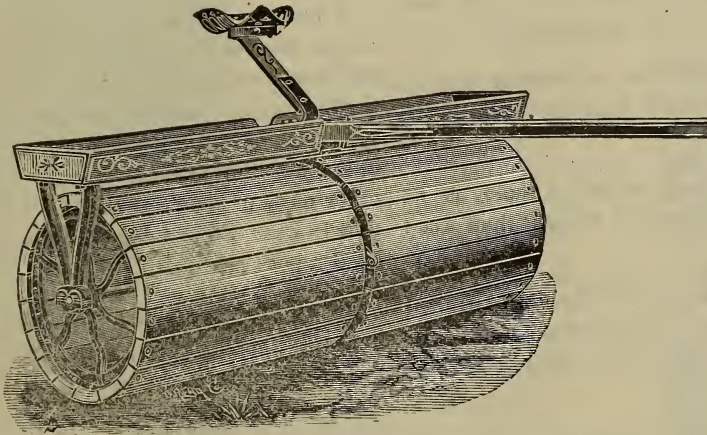
So it is settled. We are to remain just as long as the agreement is adhered to; and I think this is best.

We are happy and contented, like sensible people.

#### PRESERVING FENCE POSTS.

In building a fence around my orchard, several years ago, I tried many plans for preserving the posts. Having occasion to remove the fence this winter I noted the condition of the posts as follows: Those set with no preparation were decayed an inch or more in thickness; those coated with a thick whitewash were better pre-

served, but were quite seriously attacked by worms; the posts coated with hot tar were perfectly sound as when first put into the ground; those painted with petroleum and kerosene were equally sound and as good as new. In the future I shall let my posts get thoroughly dry, and then with a pan of cheap kerosene and a white-wash brush, give the lower third of the post (the part that goes into the ground) two or three liberal applications of the oil, letting it soak in well each time. Posts so treated will not be troubled by worms or insects of any kind, and will resist decay to a remarkable degree. This is the simplest, easiest, cheapest and best method of preservation.—*Farm and Home.*



THE STAR LAND ROLLER.

#### THE STAR LAND ROLLER.

We give a cut of this excellent implement, which speaks better than any brief description of its many advantages. It is made 7½ or 15 feet long, for 2 or 4 horses, thereby enabling the operator to do a very large amount of work in one day. It being 30 inches in diameter and the hitch midway between the tongue and ground makes the draft and handling very light. It is thoroughly balanced, so if loaded or not,

there is no weight on the horses necks.

They are made in two and four sections respectively, and revolve on an 1½ inch rod, so in turning, the ground is rolled, not dragged up.

The weight of the 7½ foot roller is about 750 pounds—the 15 foot 1,400 pounds.

Accompanying each roller is a comfortable and easy spring seat. The roller is made of No. 1 material throughout, and finely finished. Never before was there

known such a demand for a roller as for the "STAR." It is of light draft and easily handled. Write the Castree-Mallery Co., Flint, Mich., and get prices, they will interest you.

#### GATHERED CRUMBS.

THE secret of giving the hair of a horse a smooth, glossy appearance, depends largely on thorough and frequent grooming during and just before the moulting or "shedding" season. Good shelter and food are also essential items in securing the result.

A German cattle food which had a large sale was found to contain vegetable ivory turnings, eighty-three parts, and common salt, twelve parts, in 100.

DON'T save all the unpleasant jobs for your boy and expect him to "stick to the farm."

FOR fertilizing purposes there is no more valuable form of potash than wood ashes.

LAST year the United States sent canned fruit to sixty-one of the seventy-four countries with which we hold commercial relations.

IT has come to be an aphorism among western farmers that the steer is sure money, the pig is quick money, and the colt is big money.

Cows that have no bedding are often injured in the knees by getting up or down, especially if the floor be wet and slippery.

THE juice of the red onion is a perfect antidote for the sting of bees, wasps, hornets, etc. The sting of a honey bee, which is always left in the wound, should be first removed.

EVERY time I give to distant charities to the neglect of those at home, I am guilty of giving only for vain-glory.

Spring grain should be sown as soon as the ground is dry and can be worked. The farmer who waits for the ground to get in perfect condition is generally behind from the time that spring opens until winter comes.

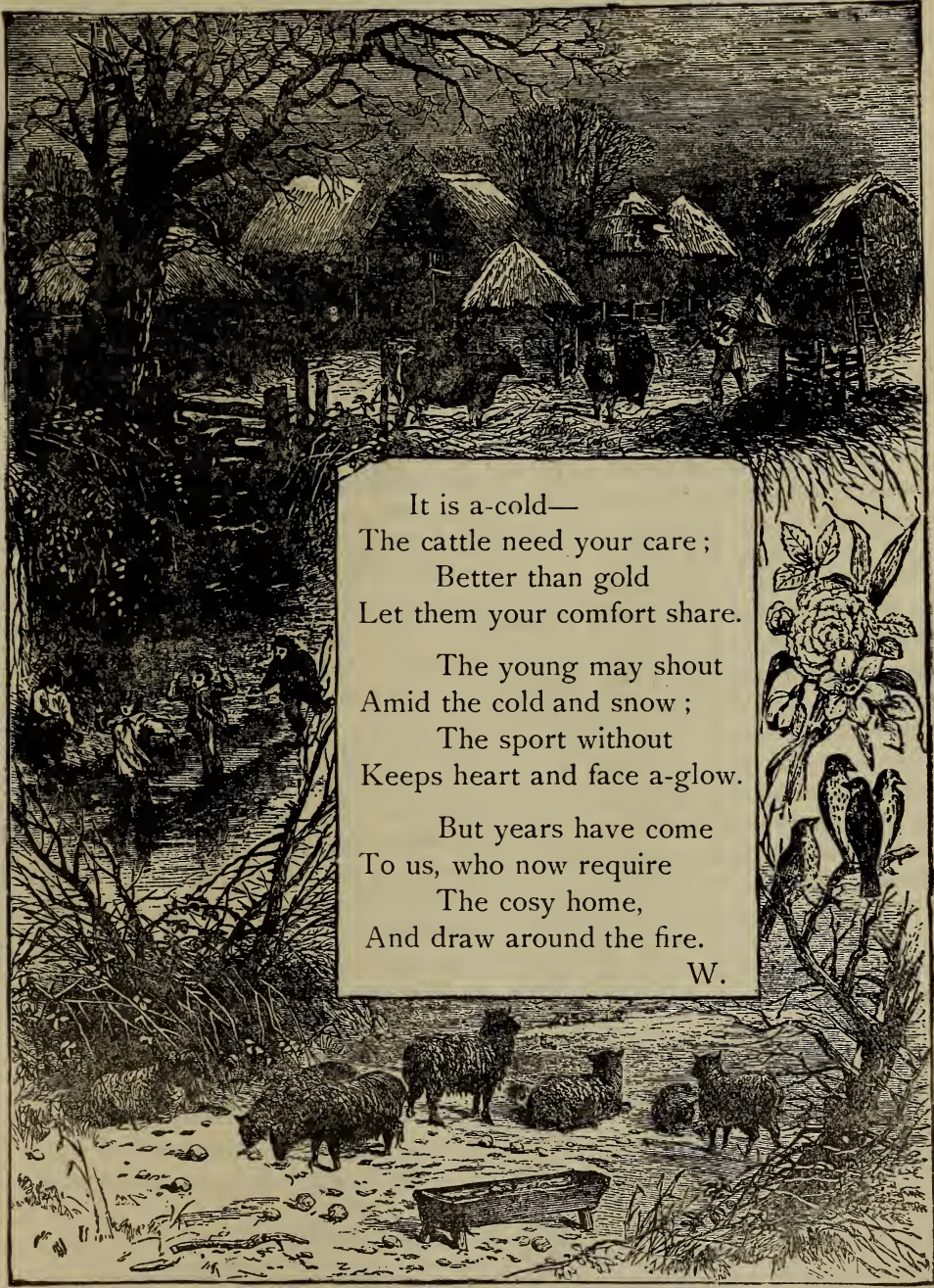
Sow more clover. Sow it with the spring grain where you do not intend to lay the field down for mowing. Clover will smother other weeds that would otherwise mature their seeds with the grain, and will make a good crop to plow in.

THERE is perhaps not a nook or corner on the average farm but what may be used for some kind of a crop that will pay well for the raising, and the corners that now are eye-sores and bugbears may be sources of income that are not exceeded by any other parts of the farm. Make your plans now to have every foot of ground give a good report next fall.

MUCH of the so-called ivory now in use is simply potato. A good, sound potato washed in diluted sulphuric acid, then boiled in the same solution, and then slowly dried, is all ready to be turned into buttons, poker chips, and innumerable other things that ivory was used for once upon a time.

Wells should be at least 60 feet from any vault or cesspool, and always on the uphill side of the water-bearing strata. Slops rubbish and garbage should be thrown around the house, as the rains soak up the decaying matter and carry it into the well. The earth is a good filter, but it becomes full and will not absorb any more impurities from the water soaking through the soil.





It is a-cold—  
The cattle need your care ;  
Better than gold  
Let them your comfort share.

The young may shout  
Amid the cold and snow ;  
The sport without  
Keeps heart and face a-glow.

But years have come  
To us, who now require  
The cosy home,  
And draw around the fire.

W.



EVERY time I speak cross and impetuously I'm weakening my nerve-power, and adding to the misery of some one.

REMEMBER your horses cannot tell you of their ills and pains. It is your duty to watch for them.

Milk that stands too long, makes bitter butter.

possession which we are bound to attain. When we remember the contagious character of happiness, the strength, courage, and hope it excites by its very presence and the power for good it exerts in every direction, we cannot doubt our obligation to attain as much of it as possible.—*Philadelphia Ledger.*

### HAPPINESS A HABIT.

Every permanent state of mind is largely the effect of habit. Just as we can perform an action so continually that it comes to be habitual, so we can encourage conditions of mind till they too, come to be habits of thinking and even of feeling. Every thoughtful parent or teacher recognizes this in the training of youth.

The child constantly thwarted or scolded or ridiculed has constantly aroused within him feelings of resentment or discouragement or misery, and these grow to be habitual, and a character for ill-temper or moroseness or despondency is formed.

On the other hand, the child who is wisely treated, whose faculties are brought into action, who is encouraged to do well, who is surrounded with cheerful faces and orderly arrangements, becomes accustomed to corresponding habits of thought and feeling. The exercise of self-control, of truthfulness, of honesty, and other essential qualities, not only results in habitual actions of the same nature, but in habitual feelings or states of mind that induce those actions. So the condition which we call happiness is likewise acquired to a considerable degree. It involves within it many things, but they are not impossible to secure, and when we have discovered them it rests with us to encourage or discourage them. Happiness is not only a privilege, but a duty, not a mere outward good that may perhaps come to us, but an inward

### SELLING HAY.

There are few farms that will withstand the drain of growing a crop of hay for market. Even clover grown on the soil and sold off will tend to deteriorate it in fertility. Grass should by all means be fed out to good stock upon the farm and the manure saved and applied back to the soil again. It is only by some such a plan as this that, considering the fertility of the soil, hay can be grown. With some crops, like potatoes, it is possible to raise and sell and purchase commercial fertilizers to use in supplying the necessary amount of plant food. There are only a few crops that can be grown in this way. With the larger proportion the principal part of the crop must be fed out upon the farm so that all the manure possible can be made and saved to apply back on the farm. When you sell hay you sell nearly all that is grown, as the rule is to cut very close and what is left continues to draw upon the fertility for the next crop. There is nothing returned to the soil. It is even worse than wheat, corn and oats, where there is at least a small amount of stubble, and also the stirring of the soil opening it out to the influences of the light and air to aid to some extent to keep up the fertility.

Hay is an important crop upon the farm, yet so far as possible the largest proportion should be fed out upon the farm and the manure saved and applied back to the soil. The farmer who is continually selling

crops at the expense of the fertility of his soil is losing money. And one of the principal points in good farming is to grow good crops and at the same time increase the fertility of the soil. And one important item in doing this is to feed out as largely as possible everything that is grown upon the farm to good, thrifty stock and make, save and apply properly all the manure possible. This must be the rule or else we must depend upon purchasing manure or fertilizers. With some crops this plan will be well enough but with others the value of the crop is not sufficient to pay for the fertility and leave a good profit in addition. Hay is one of these crops and under ordinary circumstances it cannot be grown and sold, but should be fed out upon the farm and the manure be returned to the soil to aid in keeping up the fertility.—N. J. SHEPARD, Elden, Mo.

#### TARRED PAPER.

Now the cold weather is coming, a piece of tarred paper here and there, or what is better, the whole of the interior well lined with either tarred paper or building paper, and quite a difference will be noticed when the weather is severe. Paper of any kind is an excellent non conductor of heat, and is so cheap that every one who has a poultry house should use it. It will save ten times its cost in a single season.

#### THE HAZEL BUSH.

The common hazel bush is a very hardy plant, and when once well established in a pasture the task of eradicating it has sometimes proved a difficult one. It has been found, however, that if the bushes are cut in the fall, after the ground is frozen hard, but few shoots will make their appearance. A stout scythe or bush hook is the proper

utensil for cutting the bushes, which should be done as close to the ground as possible. The brush should be left on the ground, covered by the clumps of bushes, and when dry the following spring should be burned, after which sow on a quantity of grass seed, and scratch the ground with a garden rake. The roots of swamp alders and other bushes which are cut when the ground is frozen hard in the fall seldom throw up shoots as they will if the bushes are cut at any other season of the year.

#### PRUNING RASPBERRY PLANTS.

Trimming of the plants may be done after the 1st of February, though some authorities say any time during the fall or winter. If the plants have been set and nipped as directed, they should be cut back the following winter to a foot of the main stem. Inexperienced growers almost always trim too long and allow the vines to overbear the first year. If the ground is rich or fertilizers have been liberally applied, an enormous crop may be thus obtained the first year, but the vines will never amount to much afterward. The vines for the first year trail upon the ground, but early in the spring a year after, being set upright, canes make their appearance, and these are the bearing wood for the next year. These canes should be nipped when about 18 inches high. This seems very low, but the laterals will shoot up at least two feet higher, so that unless nipped very low they are liable to be broken off by high winds or fall over on the ground when loaded with fruit. The tips of the blackcaps are layered in August or September. This is very easily done by making an opening in the ground with a hoe to the depth of two or three inches; the tips are then placed in the cavity and the earth pressed down firmly.

## NATIONAL DAIRY FAIR.

This office is in receipt of a letter giving full report of a preliminary meeting held in the City of Chicago, Nov. 20, 1888, for the purpose of taking steps toward the organization of a National Dairy Association, the first of which is to be held in Chicago during the fall of 1889.

The object of such a fair is for practical exemplifications of all dairy interests, dairy products, implements and methods, in fact, a National school for the time being in which the public are observant students in all that pertains to dairy work.

A meeting is called at Springfield, Ill., Jan. 15, 1889, 10 a. m., for final organization of this important movement, and we bespeak for the same unbounded success and trust that all who read this will give it their favorable consideration and hearty support.

The following Breeders' Associations have given the movement their support and appointed committees of three each, to represent them in the final organization, viz; The Consolidated Cattle Growers' Convention; The Illinois Short-horn Breeders' Association; The American Short-horn Breeders' Association; and Holstein-Freisian Association of America in Convention. Other Associations are requested to appoint similar committees, and report at once to the Secretary *pro tem*. Horace J. Newberry. Topeka, Kansas. Enquiries answered.

WINTER PROTECTION OF  
FRUIT TREES.

Where mice and rabbits are abundant they are far more destructive to apple trees than the borers.

If snow falls to a considerable depth in winter, rabbits readily travel over the sur-

face and are enabled to reach the bark on the stems several feet above the roots, and from this point downward as the snow settles.

But mice work under the snow, and usually at about the same place where the borers are found; consequently tar-paper wrappings will answer the double purpose of keeping out the borers and prevent the attacks of mice.

It is well known that rabbits dislike the taste and smell of animal matter, such as grease, blood and meat, and for this reason smearing the stems of apple trees with lard, blood or stale fat pork has often been recommended and extensively employed to prevent the attacks of these pests. On the other hand mice are attracted by such applications, and while eating the grease or blood from the trees they are very likely to get a taste of the sweet bark underneath and continue their depredations so long as the snow protects them from observation.

To prevent the attacks of rabbits the stems of young trees should be waapped with cloth, bark or strong paper from the ground up to the lower branches, and these wrappings should be left on until the following spring. Then remove them and lay aside for use when they shall be needed again, provided the materials used for this purpose are of a durable nature.

The thinnest kind of tarred roofing is an excellent material for wrapping the stems of trees to protect them against the attacks of borers, mice and rabbits, and is cheap and durable.—*American Agriculturist*.

## Twice as Many.

We wish to double our present number of subscribers; but we ask no one to work for us for nothing. We will give generous premiums, or an equivalent in cash.

Write us for particulars.



BEE ASSOCIATION FOR  
MARYLAND.

An enthusiastic correspondent of the State of Maryland, writes as follows on the subject:

I wish to call attention to the fact that there is not in our State (Maryland) a bee-keepers' association, although it embraces three of the largest supply depots in the country, and therefore suggests a goodly number of bee-keepers. Among the "Editorial Buzzings" of the American Bee Journal of Nov. 7, in an article about the number of bee-societies in America compared with those in Germany, it states as a reason for their scarcity in America, that our bee-keepers "think they know it all, and there is no need of societies for them. And as to imparting their knowledge to their less confident or less informed brethren—they scoff that idea!" Now shall we not try to remedy this, and add one more to the number of American bee societies? Can we not organize an association that will call together the bee keepers of Maryland, and the surrounding country? Or shall we always remain "in short-arm'd ignorance?"

Certainly you can organize a society. Just issue a "call" for a meeting, organize an association, and there is no reason why you cannot have one of the best societies in America.

Here is a hint: If you act at once, you may be the first to affiliate with the "International American;" and that would be quite a "feather in your cap," for the "International" is taking everywhere, and will become the "central sun" of apiculture in America in a very short time.

Act quickly! Strike out for success! Be enthusiastic! These are the watch-words which bring success, everytime.—*American Bee Journal.*

Those interested address Horace Banks, 2103 Oak Street, Baltimore, Md.

## DEHORNED CATTLE.

Speaking of dehorned cattle, a Chicago paper that is devoted to market reports says:

Dehorned cattle have arrived in the yards in considerable numbers during the past few weeks. They are invariably in good flesh, free from horn wounds or scratches; the hides were sound and the flesh not bruised. Many an honest cattle-man has stood gazing at a pen of dehorned steers and become converted then and there. The cattle are better off—there is no boss, no discontent and unrest; they have nothing to do but eat and remain quiet for the fat to accumulate.

Said one of the heaviest buyers of cattle, in the hearing of the writer: "I would and do give fifteen to twenty cents per hundred pounds more for dehorned cattle than for the same description of horned, simply because their flesh is not bruised, and their hides are sound and all right."

## SMALL TRACTS.

There were seventeen conveyances of Real estate made in Queen Anne's county during the month of November, and of these only one conveyed a tract larger than twenty five acres. The parcels sold were all lots, or small places. This is significant. Comparatively few are able to buy large places, and the tendency of the times appears to be to concentrate labor and capital in improving small places. Anne Arundel county is beginning to work upon the same plan. Farmers are subdividing tracts and seem inclined to dispose of a portion of their Real Estate in order to make the remainder more profitable. Messrs. Melvin & Mancha of the *Maryland Republican*, Annapolis, Md., are offering for sale desirable small farms and homes in Anne Arundel and adjoining counties.

### Raising Buffalo for the Shambles.

The Manitoba's fast freight from Winnipeg recently brought into St. Paul, Minn., a queer load of cattle in the shape of a herd of eighty-three buffalo. The herd is the famous one raised by Warden Benson, of Stony Mountain, Northwest Territory, since 1877, from a young bull and four heifers. They have been bought by C. J. Jones, of Garden City, Kan., who has for some years been making a special study of the buffalo, and he has at present a herd of about fifty on his ranch in Kansas. He began crossing them with cattle and his experiments have been successful, the half-breed buffalo being a hardy and sturdy animal, while much less wild in its nature. The raising of the bison has become a profitable business, as fifty cents a pound for buffalo meat can be obtained in Chicago. The animals will be shipped south. Cattle raisers everywhere are watching the Jones experiments with much interest, and bison in their wild state are almost unknown, a fact which makes the attempt to domesticate and perpetuate the species the more interesting.—*Chicago Herald.*

### Uses of the Peanut.

The peanut is a useful product—much more so, indeed, than people imagine, says the San Francisco Chronicle. We all know how extensively it is eaten in its roasted state, but therein, by no means, lies the extent of its value. The nuts contain from 45 to 50 per cent of a nearly colorless, bland, fixed oil, resembling olive oil, and used for similar purposes. The best is obtained by cold expression, but a large quantity of inferior oil, is procured by heating the seeds before pressing. It is a non-drying oil, changing but slowly by exposure to the atmosphere, and remaining fluid in a cold several degrees below 32°

Fahrenheit. The principal consumption of the oil is in soap making.

In 1883 Virginia began the manufacture of peanut flour, the result being a peculiarly palatable biscuit, while Georgia has long made pastry of pounded peanuts. The kernels roasted are largely used in the manufacture of chocolate, while the *mande de terre*, as has been shown, is used by the confectioners. It is also eaten as a fruit, and roasted for coffee. "The poor man's fruit," the peanut, is capable of sustaining life for a long time, owing to its peculiarly nutritive qualities, the negroes using it alike in porridge, custard, or a beverage. Nor does its usefulness end here, for the vines form a splendid fodder, as good as clover hay, while hogs will fatten on what they find in the fields after the crop has been gathered. It is an easy crop to raise, the demand for nuts has trebled within the past few years, and the crop has never yet equalled the demand. The quantity of peanuts used in this country may be set down at 3,000,000 bushels.

### Burlington Route Daily Excursions to the Pacific Coast, Colorado, Wyoming and Utah.

Railroad ticket agents of the Eastern, Middle and Western States will sell, on any date, via the Burlington Route from Chicago, Peoria or St. Louis, round trip tickets at low rates to San Francisco, Los Angeles, San Diego, Portland, Tacoma, Seattle, Vancouver or Victoria; also to Denver, Cheyenne, Colorado Springs or Pueblo. For a special folder giving full particulars of these excursions, call on your special ticket agent, or address P. S. EUSTIS, Gen'l Pass. and Ticket Ag't, C. B. & Q. R. R., Chicago, Ill.

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THE  
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AND  
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**BALTIMORE, January 1889.**

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If 5000 are allowed to run over a single number without paying, it is a cost to us of \$500., which we cannot afford to lose. Few of our subscribers take this into consideration. While we like to be as generous as possible, let us have a little justice on both sides.

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Specimen Copies.

Many hundreds of Specimen Copies have been applied for during the past month with the statement from many that they will work to get up clubs. We shall allow all those who work for us a liberal pay; and we advise them to work now, that new subscribers may commence with this year.

GIVE US A GARDEN.

Perhaps in no particular is the lack of our farms more visible than in the family garden. We will make no invidious comparisons; but we may all be sure that if we could on every farm have a family garden of about an acre, properly conducted, the comforts of our homes could be greatly increased.

Impressed with this idea, we will in a



few words give our views of such a garden and the best method of work in connexion with it.

It should be an acre near the house—in the rear of it, if possible. It is best to have it in the form of a parallelogram—much longer than it is wide. This will enable it to be worked in great part by the team, and long rows can be utilized so that there will not be so much waste land by frequent turnings.

Of course the nature of the soil should be taken somewhat into consideration; but this can not always be a matter of choice. A sandy loam is, as a general thing, most desirable; yet the treatment of the soil is more to be considered than the soil itself.

It must be made rich by plenty of vegetable matter turned into it, and it must be worked deeply using a subsoil plow following the ordinary plow. The very best manures for a garden are those of the cowstable and the hog pen. These with the liberal application of sods and green clover or rye and plenty of stirring of the soil will meet the wants of all garden crops. But you will not be in danger of making the soil too deep nor too rich.

Turn under the green crop first and cover it deeply. This is not an easy task, but it is an important one. Next fine the ground as deeply as possible with the tools you have on hand. Next cover the whole surface with the contents of the cowstable and hog pen. Plow this in three or four inches below the surface. Then with a loaded harrow mix this surface soil and fine manure as thoroughly as possible.

The land is now ready to be formed into beds with the rake and to be apportioned for the various vegetables and fruits desired. The rows in these beds should be laid off the long way of the garden and far enough apart to have the use of the horse for most of the work.

It is not really important in such an article as this to go into the theory of how much of any one thing should be grown in such a garden, or where it is best to grow them; for all farmers should be supposed to know that pumpkins and squashes and melons should not be grown together: while every family will have its favorite vegetables and fruits, to be more largely planted than any other. We would advise, however, a liberal portion of Peas and Sweet Corn in successive plantings from earliest spring until the middle of June. Also, a goodly number of poles of Lima Beans, mindful of the value of "Succotash" on the family table. Also, early potatoes enough to last from the middle of June until the field crop is ready for use.

On the lesser vegetables it is only necessary to say, send for the catalogues of seedsmen and beginning with A, go through the alphabet and choose whatever are needed by the wife and daughter, who will have the best knowledge on this subject.

We would recommend a permanent bed of Asparagus, and a generous one; a few roots of Pie Plant (or Rhubarb) as a permanent investment, also; and some roots of Horseradish.

Of small fruits where not grown extensively for market, small plantations of Blackberries, Raspberries, Strawberries, Currants and Gooseberries may be placed in this acre; but grapes, unless confined to stakes, should be in some other locality. Out of this kitchen garden, we would keep all arbors, all shrubbery, all fruit trees, everything which would interfere with horse cultivation.

Two important lessons may be taught by such a garden to every farmer who will consider calmly the propriety of having it:

First, it will be a very large part of the living of the family during many months



of the year, and the living will be of the very best character.

Second, it will show the enormous amount which can be grown on every acre of the farm, if put into a similar condition and worked with equal care.

Where little patches of garden are the only apologies on many farms for the cultivation of vegetables for home consumption, the farmer has the above yet to learn. How many are there among the readers of our magazine who have learned these lessons? If you have learned them, have your neighbors and your friends?

Give us a garden! One of which we may be proud! Make all the arrangements for it this winter. Pick out the land and don't be afraid of getting it too large. Let all the members of the family have a share in selecting the land, in arranging the plans for it and in choosing the seed. Do not be content with a few rods, when you have an abundance of room. We know, if you are led to try a garden of a fair size through reading this article, you will bless us heartily before the year is out for having written it.

#### COMMISSIONER COLMAN.

He has had a very hard task during his four years. He has performed it far better than we had any right to believe possible. When he retires, we shall extend to him our editorial hand, with a hearty appreciation of his labors and many thanks for the success he has achieved.

#### THE BALTIMORE POULTRY AND PIGEON SHOW.

When we consider the condition of the public in our city in reference to these great interests of the country, it is to the credit of this Society that they have given

us such an excellent exhibition during the past month. The public should be thoroughly aroused on the subject and our citizens should not allow such an exhibition to pass without testifying an abiding interest by their thronging patronage. The expenses this year are not as heavy as in years past; we hope they have realized a better outcome than ever before. In future exhibitions our columns will be open, to aid in creating a public sentiment in this direction.

#### THE OYSTER WAR.

Waiving all remarks in reference to the lamentable state of things which has resulted in the disregard of law and the destruction of property and loss of life, this oyster war recalls one important fact to us: That the Chesapeake oyster beds, once thought to be inexhaustible, are now nearly depleted. The working of them is far less profitable than in years gone by, and they will soon be a thing of the past unless satisfactory laws can be made and observed.

A large number of small farmers on both shores of the Chesapeake bay, during the proper season add a little to their income and considerable to their own living by the catching of oysters.

Some of them who have the facilities have planted quite extensively in the creeks and rivers adjoining their farms and depend largely upon their oyster farming for ready money during the winter months.

But it is quite manifest that the great traffic which has been pursued in a haphazard way by dredgers with roving license, must be reduced to system. The public waters will rapidly fail, from this time forward, to bring in adequate returns; and the great oyster industry must depend upon private enterprise to supply the great exhaustless demand.

Oyster farming—like any other specialty

ty—must be encouraged, protected, regulated, systematized, if the great public are to have what they demand from year to year.

It must be placed in fact upon the same footing as any other farming. Fish culture on farms is a private matter fully protected to the owners. It is soon to become a necessity that oyster culture shall go with water fronts and become as valuable as any privilege or appurtenance belonging to the realty when deeds for land are given.

As the supply in the public waters gives out, these private oyster farms will become of vast importance, and no one who is properly situated can afford to neglect the call, which every year is emphasizing more strongly, to stock his oyster beds for the future certain demand. A few properly cared for beds will promise a large increase in the near future; and the prices for the cultivated oyster are also promising to those who enter upon this work.

We think this is the lesson to be learned from this unfortunate oyster war. The prospect is not much better for the supply of oysters from the Chesapeake beds than the prophets of disaster have foretold during the past two years. Private enterprise must bring the remedy.

#### TAXING BUTTER.

A commotion has been caused among dairymen by the decision of Internal Revenue Commissioner Miller that the use of artificial coloring matter renders butter liable to an internal revenue tax of 2 cents per pound, the same as oleomargarine. He rules that the law defining oleomargarine includes all mixtures containing oils or fats other than butter fat. As the creameries universally use "butter color," which is a vegetable product boiled in cottonseed oil, the employment of this foreign substance brings their product under

the tax. The use of annato, or coloring matter, is decided by the Commissioner to be for a fraudulent purpose, that of making the butter appear to be of a better or finer quality than it really is, and to make winter or dry-fed butter appear to be June grass butter, and the material in which it is used is also liable to tax.—*Ex.*

While we have met the above in substance in many of our exchanges, we are confronted by the following from the well known firm of Wells, Richardson & Co., who should be presumed to be posted:

#### The use of Butter Color Not Contrary to Law.

In a recent communication from Hon. J. S. Miller, Commissioner of Internal Revenue, he distinctly states that his office has never ruled that the coloring of butter renders it liable to a tax under Internal Revenue Laws; and he further states that in the Law in question, which was passed August 2, 1886, butter is defined to be "a food product usually known as butter, and which is made exclusively from cream, or milk, or both, with or without common salt, and with or without additional coloring matter." The law distinctly recognizes the fact that the use of Butter Color is necessary and lawful, and there need be no fear on the part of any makers of butter that the United States law will ever be used against them because of their making use of Butter Color.

#### Needs of Southern Maryland.

Our esteemed Contributor, E. G. Jr., has given us three very valuable articles on the above subject. We commend them to the careful reading of our hosts of subscribers in that part of our State. The first one appears in the present number, and the others will follow in the February and March numbers. Being himself a Southern Marylander, he knows whereof he writes.

For the Maryland Farmer.

## THE NEEDS OF

### SOUTHERN MARYLAND, I.

By Southern Maryland is usually meant and understood the five counties,—Prince George, Anne Arundel, Calvert, Charles and St. Mary's, comprising the entire territory between the Chesapeake Bay and the Potomac River.

The northern limit is approximately marked by the Washington Branch of the B. & O. R.R., which line may also be said to fix the limit between the old and new methods of farming.

That agriculture in Southern Maryland is at a low ebb goes without saying; for with a few notable exceptions, the methods generally are behind the times, and it is with the hope of bringing about a different condition of affairs that these articles are published.

Possessed of a magnificent climate, unsurpassed natural attractions, fertile soil, proximity to two excellent markets, with railroads reaching every county, with navigable water surrounding it on the East, West and South, and a river navigable for steamboats penetrating to its very centre, Southern Maryland ought to be the garden spot of the state.

Why is it not?

The reasons are numerous, and we will only endeavor to touch upon some of what seem to us the most important.

In the first place, then, we answer, the farms are too large and there is too much unimproved land.

As all things are great or small by comparison, let us compare the Southern Maryland counties with the counties of Baltimore, Carroll and Frederick (probably three of the richest agricultural counties in the state) which for convenience of reference we will call Central Maryland.

Southern Maryland contains 1,066,946

acres and Central Maryland contains 1,025,650 acres; but in 1880 the first named section had only 6,789 farms while there were 10,992 farms in the latter named section. The average size of farms in Southern Maryland was 157 acres while in Central Maryland they only averaged 93 acres, or less than two thirds. In Baltimore county the farms average 90 acres and in Carroll only 85 acres. Following the census of 1880 still further we find that there are 2,666 farms in Southern Maryland of less than one hundred acres while in Central Maryland the number of such farms aggregated 6,763, and notwithstanding the large number of wealthy men who own lands in Central Maryland, there are only 99 farms exceeding five hundred acres in extent. While in Southern Maryland there are 270 such farms.

These figures are almost startling in their significance and we commend them to the careful study of our readers. But there is another branch to this subject.

In Central Maryland 24 acres in every hundred acres are unimproved, in Southern Maryland there are 41 acres of unimproved land in every hundred acres, and when it is remembered that the interest on the purchase money and the taxes are the same on both improved and unimproved lands, and the former must pay for the latter, it can easily be seen that the farmers of Southern Maryland are laboring under too heavy a load in these times of close competition.

Let our Southern Maryland readers ponder over this subject and follow it out in all its logical sequences, and we think they will agree with us, that one of the most pressing needs of their section, is smaller farms and less waste or unimproved land.

The question naturally arises, how are the farms to be made smaller? but that is a matter which each land owner must decide for himself. We suggest however,



the formation of immigration clubs in every neighborhood, for the purpose of offering inducements to young men from other sections of the country to settle in Maryland. But this is a matter which can be best trusted to the intelligence of the farmers of each community

#### LA DAR, 6049.

Our illustration is of the noted Percheron colt, La dar. He is Black-gray, 16 hands, weight 1500 lbs. Foaled April 16, 1886. Bred by John W. Akin, proprietor of the Elmwood stock farm at Scipio, N.Y. Got by Revier, 2974, dam Josephine, 3001 by Picador, 1254, 780. Etc. La Dar and his sire and dam are remarkably smooth formed animals, with the best action ever seen in any draft horses. These three Percherons have made the remarkable show ring record of 16 prizes and gold medals in 1887-'88 at the largest eastern fairs. Mr. Akin's stock now consists of some 200 Percherons and French coach horses. His horses won 118 prizes in 1888. The new 1889 catalogue is very complete in descriptions and extended pedigrees.

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for the Maryland Farmer.

#### FARM GARDENING, No. 4.

BY FRANCIS SANDERSON.

#### POTATOES AND TURNIPS.

These two vegetables I can very safely say are two of the stand-by's of the truck farm. They are in universal demand; can be cooked and used in many ways, and when not wanted for human consumption, can be readily used for feeding the stock upon the farm.

Then again, they are not perishable, like many other vegetables. If prices are low in the early Summer, they can be stored

for the late fall, or winter, or they may be kept until the spring.

Then they can be produced on most soils, and can be raised by most any one who knows the first principles of farming, and by the ordinary tools found on every farm.

Much has been written on the cultivation of the potato crop and yet there is much to be known, and that knowledge is only to be had by those who actually work the crop, and when thus engaged have their eyes *wide open*.

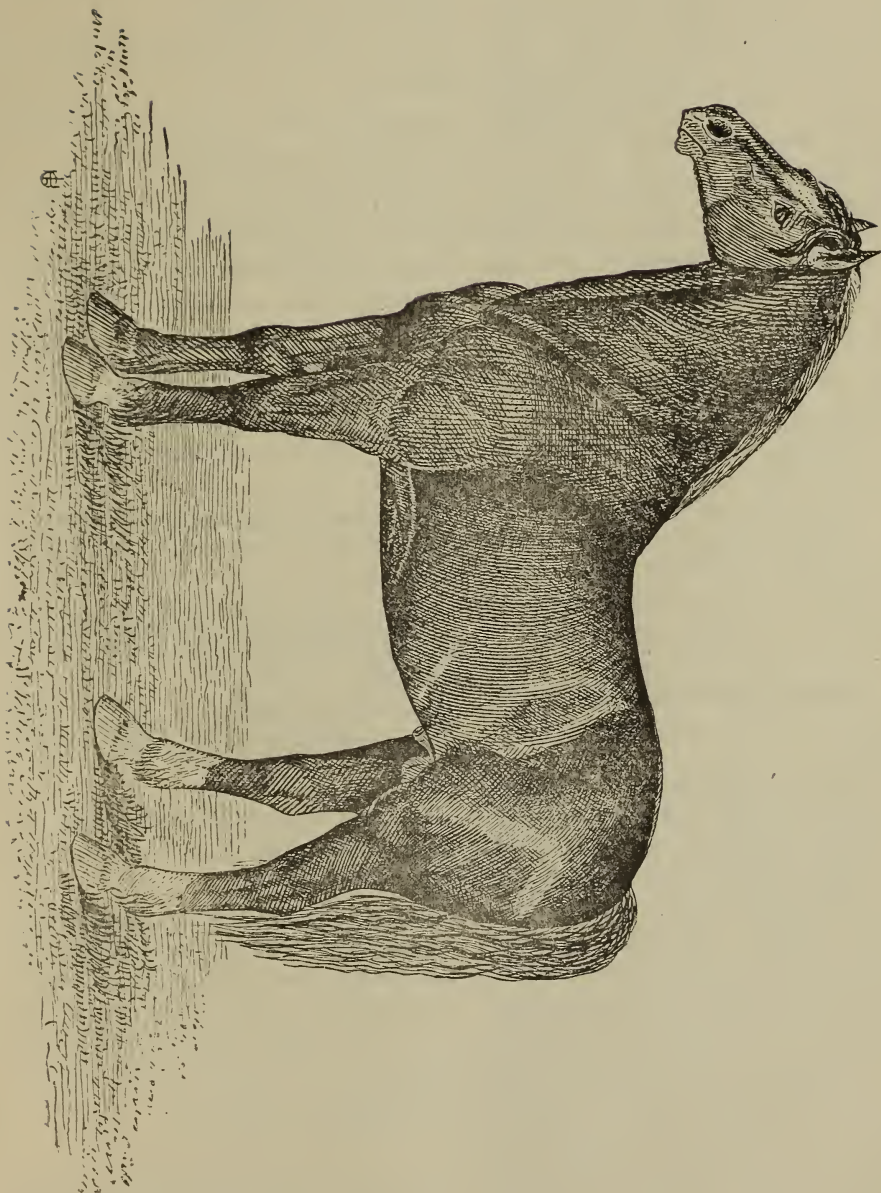
For those who truck for a living theory goes for little—experience and fact are what they want.

In cultivating the potato the first element of success is a good, heavy, rich clover or timothy sod. This sod we find it best to plow down in the early fall and let the frost and snows of winter break down and rot up the sod. After some twelve years cultivation of this crop we find this fall ploughing of the first importance.

In the early spring when the soil will crumble we fine down with a large three horse harrow. A good ploughman runs off the rows 3 feet apart, and, if the ground is only moderately rich 600 pounds of fine bone dust are spread along these furrows, one handful to every 4 feet of row. If the sod has been manured the year previous 400 pounds of bone dust will be an abundance. The seed is dropped in these furrows, the furrows are covered with a cultivator, and the ground is then thoroughly rolled.

When the tops begin to peep above ground a light fine toothed harrow is run over the field once, and the following week the field is harrowed crossing both ways. These harrowings work the crop, kill thousands of young weeds, and allow the air and moisture to penetrate the soil.

Four or five cultivations are given the crop, with a good steel cultivator, and then



the crop is laid by. If any weeds appear in the potato rows they are pulled by hand. When the bugs put in appearance, we mix 5 pounds of pure Paris green with 400 pounds of fine dry plaster and apply it by hand early in the morning; one application is usually sufficient. The Paris green kills the bugs and the plaster makes the potatoes grow.

When the crop is fit to market, which can be told by the tops being dead, they are ploughed out by a large iron single shovel plough. This plough is made especially for the purpose and has large iron fingers to allow the potatoes to be thrown right on the surface. They can thus be readily seen and picked up.

In marketing we usually take in a load of 20 or 40 bushels and make a market for them by giving a peck here and there on trial. Potatoes grown by bone dust are smooth skinned and very mealy when cooked; and our great trouble is in not having enough potatoes for the demand.

One thing I would wish to say: Leave all new diggers, covers and planters alone, and stick to the implements you know and can work.

If you have a market for turnips, or want them for stock feed, the potato ground will readily raise them. Our plan is to harrow the ground fine both ways and mix 1 pound of fresh seed with 1 peck of timothy seed and sow this evenly over one acre of ground. The turnips grow rapidly and are pulled and sold at 25 to 40 cents per bushel. In the early fall the timothy is heavily top dressed with long horse manure and on the snows in February 1 peck of clover seed is sown per acre. The following year we cut one and sometimes two good crops of hay. This is the cheapest and best way to grow potatoes and turnips.

Try a patch next year.

We shall issue our annual "Poultry Extra," on February 10th 1889.

#### WORTH REMEMBERING.

That sleep is the best stimulant, a nerve safe for all to take.

That it is better to say "no" than to read Latin.

That cold air is not necessarily pure, nor warm air necessarily impure.

That a cheerful face is nearly as good for an invalid as healthy weather.

That there are men whose friends are more to be pitied than their enemies.

That advice is like castor oil, easy enough to give, but hard enough to take.

That wealth may bring luxuries, but that luxuries do not always bring happiness.

That grand temples are built of small stones, and great lives made up of trifling events.

That an open mind, an open hand and an open heart would everywhere find an open door.

That it is not enough to keep the poor in mind; give them something to keep you in mind.

That men often preach from the house-tops while the devil is crawling in at the basement below.

That life's heroes and heroines are those who bear their own burdens bravely and give a helping hand to those around them.

That hasty words often rankle in the wound which injury gives, and that soft words assuage it; forgiving cures, and for getting takes away the scar.

OPPORTUNITIES are very sensitive things. If you slight them on their first visit, they seldom come again.

THE subsoiling which clover roots do is one of the secrets of the great benefits from it.



## SELF LOST IN LOVE.

Love prompts to sacrifices in behalf of the loved one; but a sacrifice that is prompted by love is not thought of as a sacrifice by the one who makes it. A true mother forgets herself in her loving ministry to her children. But if a mother is conscious of her loving ministry to her children as a series of sacrifices of her personal interest and comfort, she is so far lacking in the soul of a true mother. A true friend forgets himself in his loving desire to promote the welfare and happiness of the one to whom he is a friend; but he who is conscious of continual efforts to deny himself in order to advantage his friend, falls short of a real friendship. The sacrifices that love prompts are self-forgetful sacrifices; and self-forgetfulness includes a forgetfulness of the fact of self-forgetfulness. The man who is always telling, or is always thinking, of the sacrifices he makes for those whom he loves, gives evidence thereby that his sacrifices are prompted by his thought of himself, rather than by the thought of those for whom he supposes he is making the sacrifices. If it were unselfish love that swayed him, he would give more thought to what remained for him to do for his loved ones, than to what had already been done by him. Love carries with it an un-failing desire to be of farther service to those who are loved. And so it is that love is the fulfilling of the law in all loyal service,—whether it be the serving of one's fellow or the serving of God.

FROM OUR SAN DIEGO  
CORRESPONDENT

We have been here now a year and experienced the climate in all its varied changes, and we like it very much. We shall make California our place of resi-

dence the remainder of our days. San Diego, however, has its drawbacks. It is a little too near the bay and ocean, and we are continually taking cold. We think a short distance back from this locality where the breezes are not so harsh as here would be near perfection.

We had our first rain a month ago, so that Spring is here in all its loveliness. The grass is green, the flowers are bright, and through all your cold winter we shall have roses in bloom. The Oranges and Lemons are beginning to come into market—the height of the season is in February. The middle of December brought us Strawberries at 35 cents a box; they will soon be plentiful and cheap.

Emigration to Southern California this year seeks farming land rather than town lots and city homes. Acre property is selling rapidly. We are ourselves contemplating removal, and a fruit farm for our future home:

E. W. S.

## A NEW GATEWAY.

By the completion of a new bridge across the Missouri River at Rulo, Nebraska, the Burlington Route has established, for the entire distance over its own track, a new, direct, through line from St. Louis to Kansas City, St. Joseph, Atchison and Denver. Over this line is run "The Burlington's Denver Express"—a solid train with through sleeping cars and coaches from St. Louis to St. Joseph and Denver, and a through sleeping car from St. Louis to Kansas City. The connections made by this train at the Missouri River, at Denver and at junction points en route are such that one can directly reach by it all points in Nebraska, Colorado and all sections of the West and Southwest, as well as all Pacific coast points. This is in addition to "The Burlington's Number One" well-known solid vestibule train between Chicago and Denver and Cheyenne, with which direct connection is made by C.B. & Q. R.R. train from Peoria, and by which one can make the run between Chicago and Denver without being more than one night on the road. For tickets via the Burlington Route and for special excursion folder, call on any ticket agent of connecting lines, or address P. S. Eustis, Gen'l Pass- and Ticket Agent, C. B. & Q. R. R., Chicago, Ill.



### AT THE FIRESIDE.

At nightfall by the firelight's cheer  
 My little Margaret sits me near,  
 And begs me tell of things that were  
 When I was little just like her.

Ah, little lips you touch the spring  
 Of sweetest sad remembering,  
 And hearth and heart flash all aglow  
 With ruddy tints of long ago.

At my father's fireside sit  
 Youngest of all who circle it,  
 And beg him tell me what did he  
 When he was little just like me.

JOHN B. LONG



## THE ROCHESTERS.

## GOOD HOPE.

BY SAMUEL C. BLACKWELL.

Doubt not a progress in unfolding plan;  
 It brought us from the elements to man.  
 Doubt not continuance in gracious ruth;  
 It gives us to participate in truth.  
 And do not fear that human heart may draw  
 A fairer future than creative law.

Believe the coming must transcend the past,—  
 An endless betterment, designed to last  
 The wise, the excellent, the kind, the true,  
 Our fathers' hope,—sole hope for me and  
     you,—  
 More vital, more controlling, we shall find,  
 Known, cherished, ordered, by the Parent  
     Mind.

## JACK'S MISTAKE.

The Rochesters were holding a family council in regard to locating for the summer. At least Mrs. Rochester and the girls were holding the council, while Jack smoked his cigar and Mr. Rochester was oblivious to everything but his evening paper.

It was just as they had about completed their planning that Jack laid aside his cigar.

"By the way," he said as calmly as though he were making the most matter-of-fact announcement in the world, instead of stirring, as he knew he should, the feelings of the family to the depths, "by the way, don't count on me this summer at all. I may be with you and I may not, so just leave me out of all your calculations."

There was a chorus of exclamations, and some very sharp questioning looks, but Jack smoked tranquilly on without

apparently heeding either the one or the other.

"Where do you propose to go?" asked his mother.

"I haven't the faintest idea yet, but I'm not going to any of those places, certain sure, at least, not at first. It's the same thing over and over year after year, and I'm tired of it. Don't bother a fellow so, girls, with questions and exclamations. I'm going where I please, and I don't please to say anything more about it, so that ends the matter.

Which it did not by any means, for many were the surmises and conjectures of the family as to the cause of Jack's sudden and unaccountable whim, but, nothing daunted, he coolly made his preparations and took himself off without enlightening them any further.

"When I get located, I'll let you know," he said; "I'm going until I find a place that suits me. I need rest and perfect quiet; my nerves are in a very shattered condition."

"Oh pshaw!" said Aggie, "that's all made up for the occasion; he has some wild scheme on foot, now you see."

As for Jack—well, it was hard telling what spirit had possessed him; he hardly knew himself.

"I believe that you are running away from Dora Cunningham," said his chum, Will Norton.

"Maybe I am," replied Jack; "she will have me in less than a month if I go with mother and the girls. They have decided that we will make a good match, and Dora thinks so herself, I fancy, from the looks of things, and it's all day with me unless I



take myself out of the way. I never could resist their combined forces. Dora is well enough, but somehow I don't feel like being tied down just yet, though undoubtedly I shall yield sooner or later.

"Oh Jack!" groaned Will. "You aren't the fellow you used to be. I wish you were poor as a church mouse; it would be a good thing for you. You would be a grand fellow if you would only shake off some of this nonsense."

"Thanks, old boy. "Yes I know I did have yearnings and such like in the old days, but I'm very well satisfied now, and I don't think poverty would agree with me."

So it came to pass that one day in early summer the fastidious Jack Rochester found himself at the door of a very plain and unpretentious farmhouse in the village of D—.

"What would mother and the girls say?" he exclaimed as he looked about the room assigned to him. They would say that I was crazy, and I'm not sure but I am. I shall probably tire of it in a week or two, but it's a change, anyway."

For a day or two he ate and slept principally, then he roused up and began to look about him. He found that the family consisted of father, mother, two sons and one daughter. The first two or three times that Jack saw Mame Graham he paid but little attention to her. He had no expectation of finding anything worth his notice here, but somehow as the days went by he began to think that he might be mistaken. Perhaps it was her perfect indifference to him; it rather piqued him; and then she was entirely different from his sisters and Dora.

"I actually believe," he said to himself in a lazy fashion, "that she has forgotten more than they know. And I'm blest if I don't believe she thinks me beneath her notice. I don't know as I am much, but

I'll not have this little chit of a country girl snubbing me."

So Jack suddenly woke up, and became another man. He could talk, when he chose to exert himself, and he had read and traveled. He made the most of himself, but the effect was not quite what he hoped it to be.

Dora's blue eyes had languished and smiled approvingly whatever he had said or done; this pair of dark brown ones studied him critically, and with manifest disapproval. What could it mean?

Jack was non-plussed for once in his life, and exerted himself even more persistently. It dawned upon him at last, he was genuinely and thoroughly in love. There was but one woman in the world to him now, and she was this farmer's daughter, a simple, penniless country girl, but he loved her! What would his family say? How could he take her to his home, what would the girls say, and Dora?

Jack shut himself up in his room for a whole day. Could he, should he, dared he run the risk? They were many and formidable, to him at least, but at night after tea he followed Mame out in the orchard, and offered her his heart and hand.

"Why, Mr. Rochester, don't! I am so sorry; why, I could not possibly think of it!" exclaimed Mame in unaffected surprise and dismay.

And Jack felt as if the foundation of the earth had unexpectedly given way; he had never dreamed of such a thing as her refusing him if he had the courage to propose.

"But why, Miss Mame, please tell me why? Perhaps I can make it right."

"No, I'm afraid not, because the man I marry must be a real, true, earnest man whom I could respect and look up to as well as love."

"And you couldn't me?"

"No, Mr. Rochester, I couldn't," she said quietly but firmly. "It seems to me that

you are just wasting yourself and your opportunities."

Jack Rochester went into the house that night a sadder and a wiser man. The next day he went away, but none of his friends saw him for more than two weeks; then he reported to his father.

"I've come back, and I want to go to work father. Two years ago you told me there was room for me with you in the factory; if there is now I will come, and do my best for you."

There was room, and Jack went to work in real earnest. There was nothing too hard for him, and he cared for nothing else, apparently. He schemed and thought and planned, and his father wondered how he had ever got along without him. What Miss Dora Cunningham wondered, no one knew, and Jack never thought.

It was six months after Jack's return that he asked for a week's vacation, and went away again, no one knew where. It was storming furiously when he reached D—, but Jack did not mind, and made his way on foot to Mr. Graham's.

"I was in this vicinity on business," he said with never a blush, "and thought I would stop and call."

Mr. and Mrs. Graham looked at him in amazement. Could it be possible that this alert, active, wide-awake young man was the one who had been with them last summer? How he had improved, they said to themselves.

And Mame? Well, Jack interviewed her in the course of a day or two. "I know I shall never be worthy of you," he said, "but I am trying my best to be a true, earnest man, worthy of respect, if possible. Because I love you I shall try to be that, anyway, but could you give me the least bit of hope that sometime—oh, Mame, I love you so, can't you?"

"I think—perhaps I could," answered Mame, blushing.

"I knew you could do it if you would, and I am so glad!"

The world thought it was a great mistake, but then the world itself is often mistaken. Will Norton and Jack's father said that it was the best thing he ever did.  
—Kate Long.

#### LOSS BY HOARDING.

Gain comes through outlay; giving promotes growth. Loss comes through hoarding; holding brings decay. The law is the same, so far, in the realm of spirit and of matter. Hand, head, and heart must be taxed in order to live. He who would have must spend. He who would hold must yield. The more one does, the greater his power of doing. Only he who uses knowledge has a permanent hold on knowledge. The heart that gives out love unsparingly is the heart that has most love yet to give; "For the heart grows rich in giving; all its wealth is living grain; seeds, which mildew in the garner, scattered, fill with gold the plain."

To be good—to cleave to that which is good—in spite of any and all obstacles, that is greatness, worth, heroism. It is equally at home in high places, or in low. It may ennoble cottages, and dwell in the heart of a little child. Wealth and power have no monopoly of it. Social position gives small advantages toward securing it. Each must win it for himself, and every place, and all time afford the opportunity.

#### CHARIOT RACE FROM BEN-HUR.

A realistic representation, beautifully engraved upon a handsome 1889 calendar, by John A. Lowell & Co., Boston, can be procured by sending six cents in stamps to P. S. EUSTIS, General Passenger and Ticket agent, C., B. & Q. R.R., Chicago, Ill.

## SPECIAL MENTION.



We have one of the above Carpet Sweepers in use in our family. It is noiseless and does its work to perfection. Sweeping with a broom is one of the most laborious parts of the housekeeper's work, and this does away with all the labor. Address the manufacturers, LOVELL WASHER Co., Erie, Pa.

The old question—where shall I get my seed this year—presents itself again to thousands of our readers at this season of the year. If you will turn to our advertising columns you will find the announcement of John A. Salzer, La Crosse, Wis., who makes a speciality of Northern Grown seeds. These are early, productive and full of life, and will increase every yield.

## ASPARAGUS BUNCHERS.

We have had calls for Asparagus Bunchers within the past week, and are now pleased to refer those in want to the advertisement of Edwin Beekman, Middletown, N. J., or write directly to him.

We would call the especial attention of our readers to the Judson Powder, advertised by the Atlantic Dynamite Co., for we have the very best accounts of its reliability from various sources. It is not more dangerous to handle, than any powder, and it is remarkable for its efficiency. Those who have about their premises, or in their fields, any obstruction which they desire to remove, can do it with scarcely any trouble or expense by this means.

Cold, bare and brown lie hillside, dale and plain,  
They rest from labor now; yet flower, fruit and grain  
Shall cover them again. Complain not that they  
sleep—  
Sow worthy seed; a worthy harvest shalt thou reap

Care in the selection of seed is of prime importance in securing good results. Get worthy seed; seed that is pure and fresh; such seed as James J. H. Gregory of Marble-head, Mass., raises on his own farms, and has sold to the public for thirty years, and worthy harvests shalt thou reap. Send for his 1889 catalogue, free to all.

H. S. Miller & Co.

H.S. Miller & Co., Manufacturers of Pure Bone Fertilizer, sends us a really Common Sense Almanac—such as will be a prize for every farmer. It not only gives the different styles of fertilizers which they offer; but it gives the farmer a memorandum book just fitted to his pocket, and all the usual information of an almanac, besides various items which are handy to have for reference, recipes, agricultural measures, etc. Send for one to their address, Baltimore, Md.



We are pleased to print the following clipping taken from the *Clarksburg Telegram*, W. Va., relative to ad. of the Messrs. Powell Brothers, of Shadeland, Crawford Co., Pa., which appears upon another page of this paper:

We have visited this farm in person, having spent quite a portion of our life near it, and can vouch for all the ad. contains.

Further we know that the men are honest, reliable, and can be dealt with in perfect confidence, and that they will not misrepresent any stock they have.

It is worth a month's time to visit their farm, a magnificent one, sloping to one of the most beautiful valleys in the state, and to see it fairly alive with hundreds of registered stock, every one of which is a thing of beauty, is a sight never to be forgotten. If you are thinking of buying pure bred animals of any kind, write to these men.

#### ANOTHER PREMIUM.

The Fanciers Review, a 16 page monthly 64 columns, devoted to Poultry, will be clubbed with the Maryland Farmer and both sent one year for \$1.00 paid strictly in advance, to this office.

#### COUNTY FAIRS.

Although the apology has reached us in a vague manner, that the races at the county fair are not wholly controlled by the managers of the fair being regulated in good part by an outside trotting association, we still are of the opinion of the Wilna Farmer's Club: The races are generally depended upon as the chief attraction; the consequence is that all the real benefits to farmers and their families are made subordinate to these. It is to be hoped that farmers in their gatherings this winter will give general expression to their views

on this subject and send them for publication.

The Wilna Farmer's Club, at its last meeting, discussed the Harford county fair. The report of the meeting says: "The balance of the evening was occupied in discussing our Harford County Fair and the best method of making it more of a success. The opinion, as expressed by the members, was that if we are to have an agricultural fair more time and money must be devoted to that cause, and less to trials of speed. One member spoke of a fair held in another State that had been flourishing for forty years, and was as good this year as ever, and the largest amount they paid for trials of speed was \$50, while \$25, was given as premiums on butter, and the same amount for cheese and other domestic exhibits in a like manner. A strong desire was expressed that more liberal premiums should be offered for grain and fruit, and better inducements be given to exhibitors of agricultural implements and machinery. The Club is not finding fault with the present board of directors, believing that they tried to do their duty."

However strong a man's resolution may be, it costs him something to carry it out, now and then. We may determine not to gather any cherries, and keep our hands sturdily in our pockets, but we can't prevent our mouths from watering.

—George Elliot.

AN evaporator of some kind should find a place on every farm. If you do not desire to evaporate fruit for sale, get a small evaporator for family use. They save much that would otherwise be wasted. They may be used to dry corn, tomatoes, squash, etc, as easily as for fruit.

## Books, Catalogues, &amp;c.

"BRICK" POMEROY returned from London in November, where he made arrangements to raise all the money required to complete the Atlantic-Pacific Railway Tunnel in Colorado. From this time on he will devote more attention to his paper. Pomeroy's Advance Thought, \$1 a year, Advance Thought is a free lance, and one with a long reach, and well filled with interesting matter. In it appears, with each number, a long chapter of the life experiences of "Brick" Pomeroy. These for the coming year will be descriptive of the rows, riots and ruptures he was in with his paper, the LaCrosse Democrat, during the war, and will be red hot reading. Send \$1 to M. M. Pomeroy, 234 Broadway, New York, and for it receive Pomeroy's Advance Thought for one year, and be sure to save every number.

We are in receipt of a bound copy of Ayer's Almanac for 1889, embracing editions in ten languages. We may add that the annual issue of Ayer's Almanac is about fourteen millions—far exceeding that of any other work of the kind, a proof that both the almanac and medicines are appreciated.

We have received a Calendar from the Winchester Repeating Arms Co., beautifully printed in colors, which is of office size and ornamental as well as useful. We hang it up for general reference during the coming year.

We have examined a recent number of Table Talk with a great deal of interest. It covers a good field, interesting to every household. It is not merely a receipt book, as many pretentious publications of this character are apt to become; but it is also rich in its literary and general miscellany departments. \$1.00 a year, Phila. Pa.

Our Little Ones and the Nursery continues to be without a rival in all the world. All the reading matter and every picture is original. It is printed from handsome type, on fine paper. Its pictures have long been considered an educational agency of the most elevating character. Published monthly by the Russell Publishing Co., Boston, at \$1.50 a year. A trial subscription of 3 months for 25 cents.

And now the honest farmer packs

His apples up for town;

This is the top row of his sack:

O O O O O O O O O

And this is farther down:

o o o o o o o o o o.

Little Girl—Mrs. Brown, ma wants to know if she could borrow a dozen eggs. She wants 'em to put under a hen.

Neighbor—So you've got a hen setting, have you? I didn't know you kept hens.

Little Girl—No'm, we don't, but Mrs. Smith's goin' ter lend us a hen that wants to set, an' ma thought if you'd lend us some eggs we've got the nest ourself.

"Smith is a mighty mean man, I say," exclaimed Jenkins warmly. "Why, what has Smith ever done to you?" asked Blenkinsop, surprised. "Bet me \$10 I couldn't hit a barn door with a revolver at five paces," said Jenkins angrily. "Taunted me into taking him up; got me to put up the money; measured off the five paces in presence of a lot of witnesses; gave me a revolver loaded, and then set the barn door up edgewise."—*Somerville Journal*.

A \$30. Scholarship in the Eaton & Burnett Business College may be had cheap at the Maryland Farmer Office.

EXPERIMENTS with grafting chestnuts onto red oak have proven very successful.

WELLS, RICHARDSON & Co's

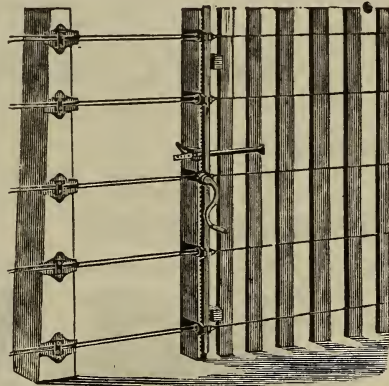
# IMPROVED Butter Color.

EXCELS IN { STRENGTH  
PURITY  
BRIGHTNESS

Always gives a bright natural color, never turns rancid. Will not color the Buttermilk. Used by thousands of the best Creameries and Dairies. Do not allow your dealer to convince you that some other kind is just as good. Tell him the BEST is what you want, and you must have Wells, Richardson & Co's Improved Butter Color.

Three sizes, 25c. 50c. \$1.00. For sale everywhere.  
WELLS, RICHARDSON & CO. Burlington, Vt.

## The Garrett Fence Machine.



**\$20 FENCE MACHINE FOR \$10**  
Freight paid. Guaranteed. Hundreds in use.  
Circulars free. S. H. Garrett, Mansfield, O.

**SPRAYING FRUIT TREES**  
to destroy injurious insects  
is recommended by all experienced  
horticulturists and by this system only  
can perfect fruit be secured. For full direc-  
tions and outfit for hand or horse power, address  
FIELD FORCE PUMP CO. Lockport, N. Y.

## M. S. MILLER & CO.,

PURE ANIMAL BONE

## FERTILIZERS.



Special

## HIGH GRADE MANURES,

FOR ALL CROPS.

## GROUND BONE,

## PURE BONE MEAL.

Send us your Address.

Descriptive Pamphlets Mailed Free.

202-206 BUCHANAN'S WHARF, BALTIMORE, MD

Home Office and Factory, Newark, N. J.



ESTABLISHED 1825.

Write for illustrated Price List.

**BEST**  
**EXTRA EARLY PEAS.**

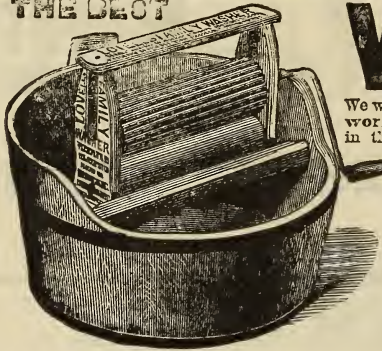
**DWARF**  
**WHITE MARROWFAT PEAS.**  
SEEDS OF ALL KINDS.

Best Quality.

Lowest Prices.

**J. BOLGIANO & SON,**  
28 S. CALVERT STREET, BALTIMORE, Md

THE BEST



# WASHER

We will guarantee the "LOVELL" WASHER to do better work and do it easier and in less time than any other machine in the world. Warranted five years, and if it don't wash the clothes clean without rubbing, we will refund the money.

**AGENTS WANTED** in every county. We CAN SHOW PROOF that Agents are making from \$75 to \$150 per month. Farmers make \$200 to \$500 during the winter. Ladies have great success selling this Washer. Retail price only \$5. Sample to those desiring an agency \$2. Also the Celebrated **KEYSTONE WRINGERS** at manufacturers' lowest price. We invite the strictest investigation. Send your address on a postal card for further particulars.

**LOVELL WASHER CO., ERIE, PA.**

## BOYER'S FARM GRIST MILL

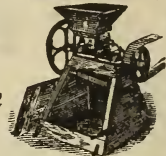
Established 1852.

Warranted CAST STEEL GRINDING PARTS, CAST STEEL COB CRUSHER, and Sieve for Meal.

**REQUIRES LESS POWER. DOES MORE WORK,** and is the **MOST DURABLE** Mill made. Is sold as low as ordinary Cast Iron Mills. Send for catalogue for full information.

**W. L. BOYER & BRO.,** Sixth & Germantown Ave., Philadelphia, Pa.

Also manufacturers of Level Tread Horse Powers, Threshers, Feed Cutters, &c.



## ENGLISH SILVER STEEL NEEDLES,

Enables us to give

**Three Papers, one of them Darning Needles,**

To each Subscriber paying one year in advance.

These needles are sold at large prices and only first-class houses keep them.

**THE MARYLAND FARMER,**  
**BALTIMORE, MD.**

# ELECTRIC BELT FREE

To introduce it, we will give away (to those likely to make good agents) a few of our \$5.00 German Electric Belts (U. S. Patent 357,647), invented by Professor P. H. Van Derweyde, President of the New York Electrical Society, and late Professor of Chemistry of New York Medical College. We offer a reward of \$500.00 for any belt we manufacture that does not generate a genuine electric current. Now is the time to take advantage of our offer, and write us at once, addressing German Electric Belt Agency, Post Office Box 178, Brooklyn, New York.

ABSOLUTE CURE FOR RHEUMATISM, NEURALGIA, NERVOUSNESS, DEBILITY, AND LUNGEY

KIDNEY AND LUNGEY  
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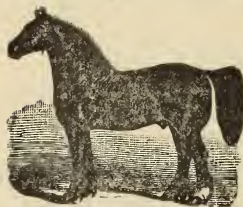
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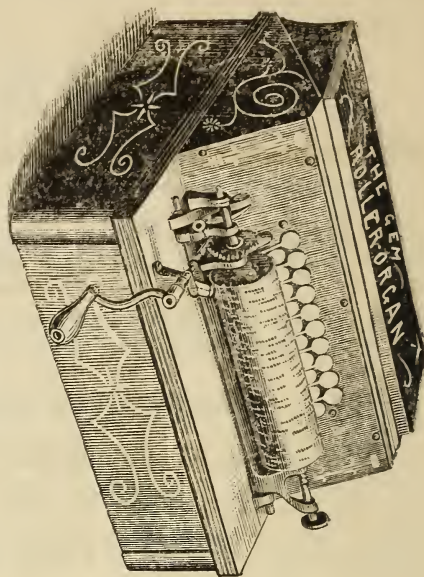
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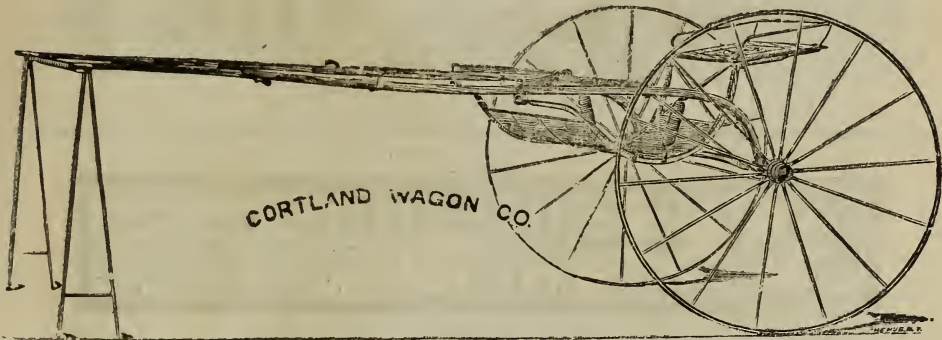
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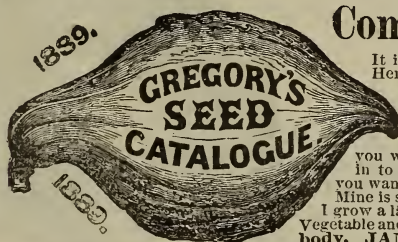
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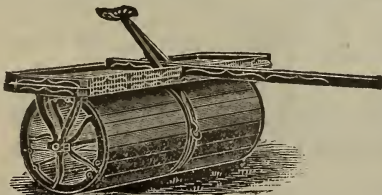
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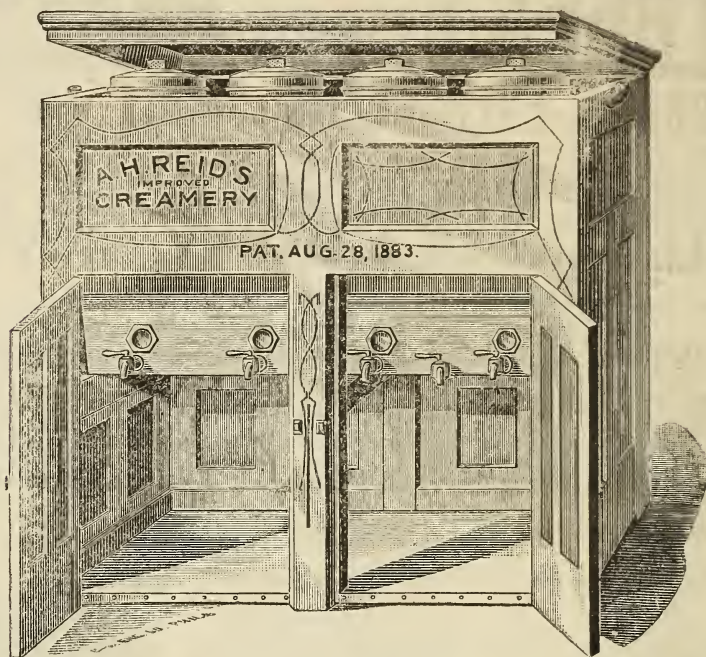
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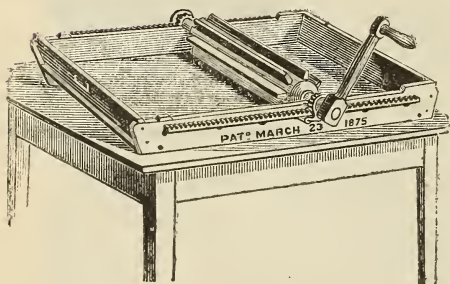
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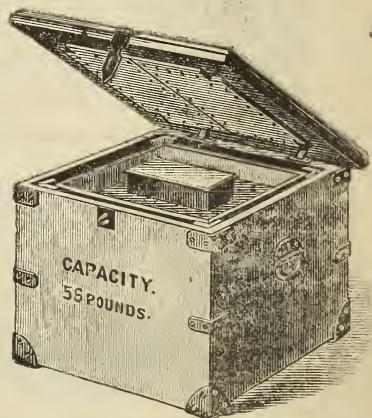
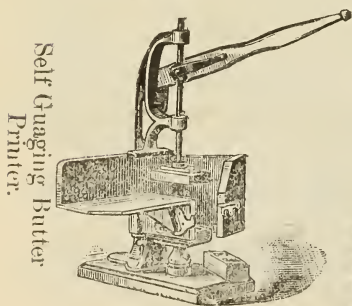
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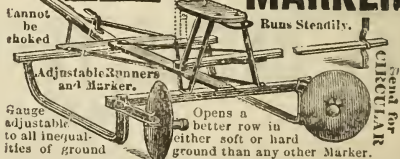
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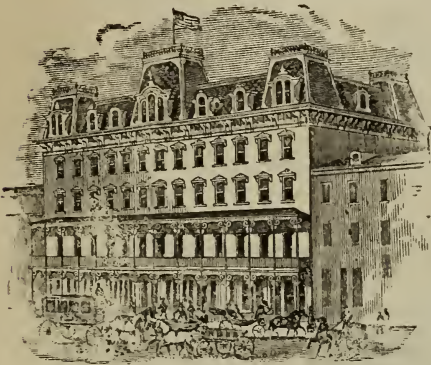


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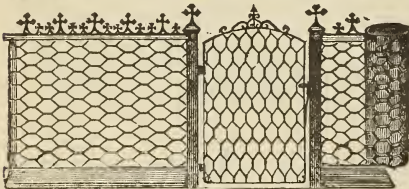
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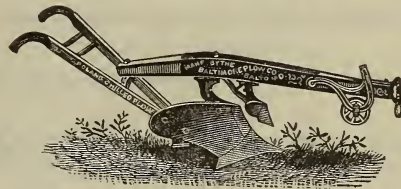
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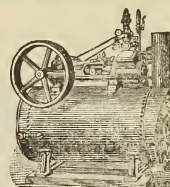
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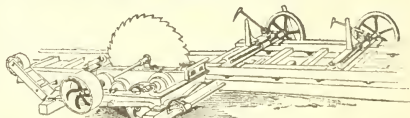
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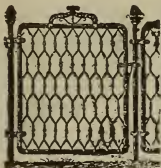
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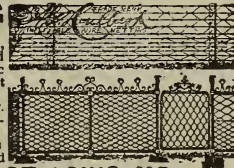
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